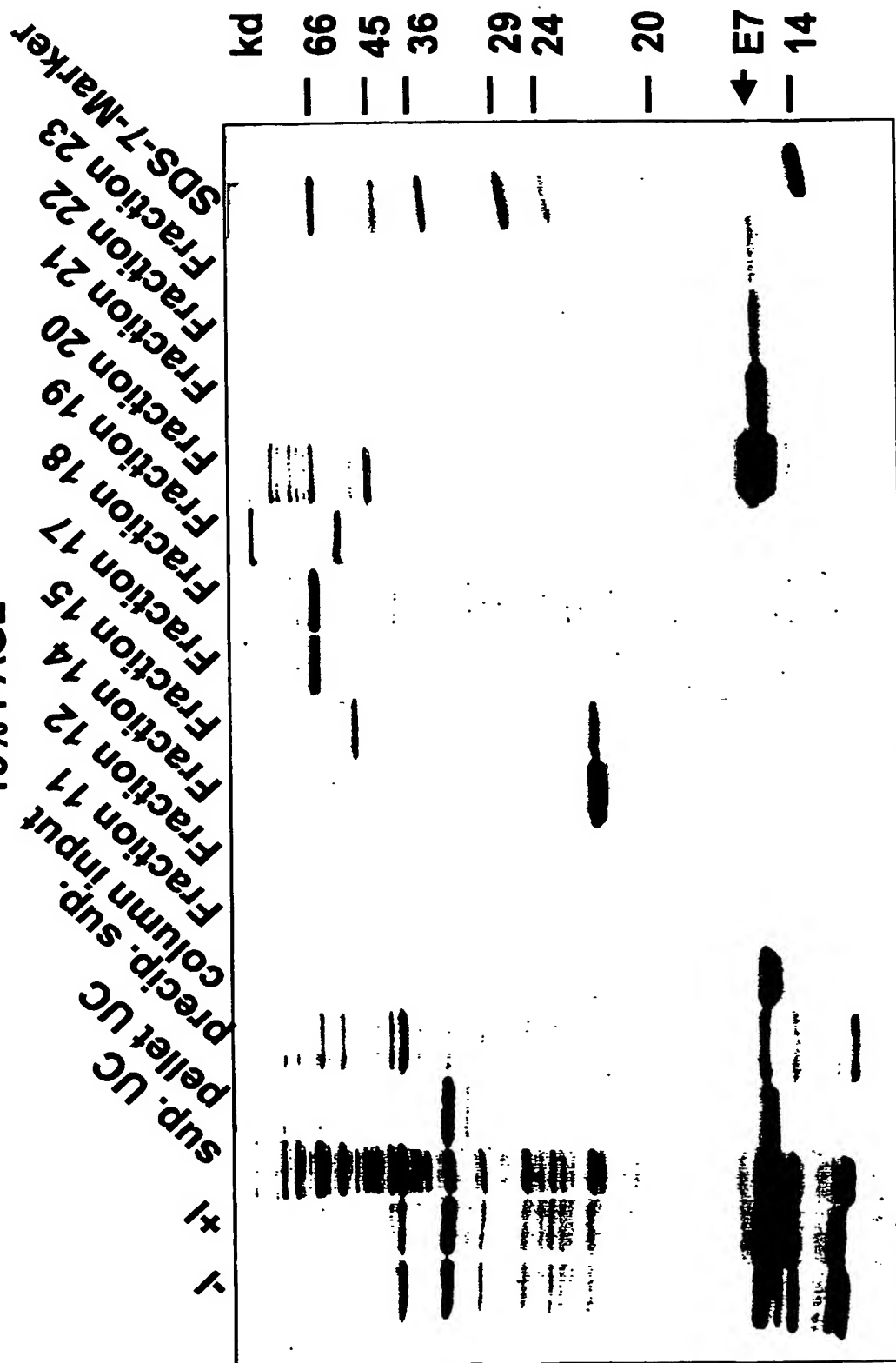


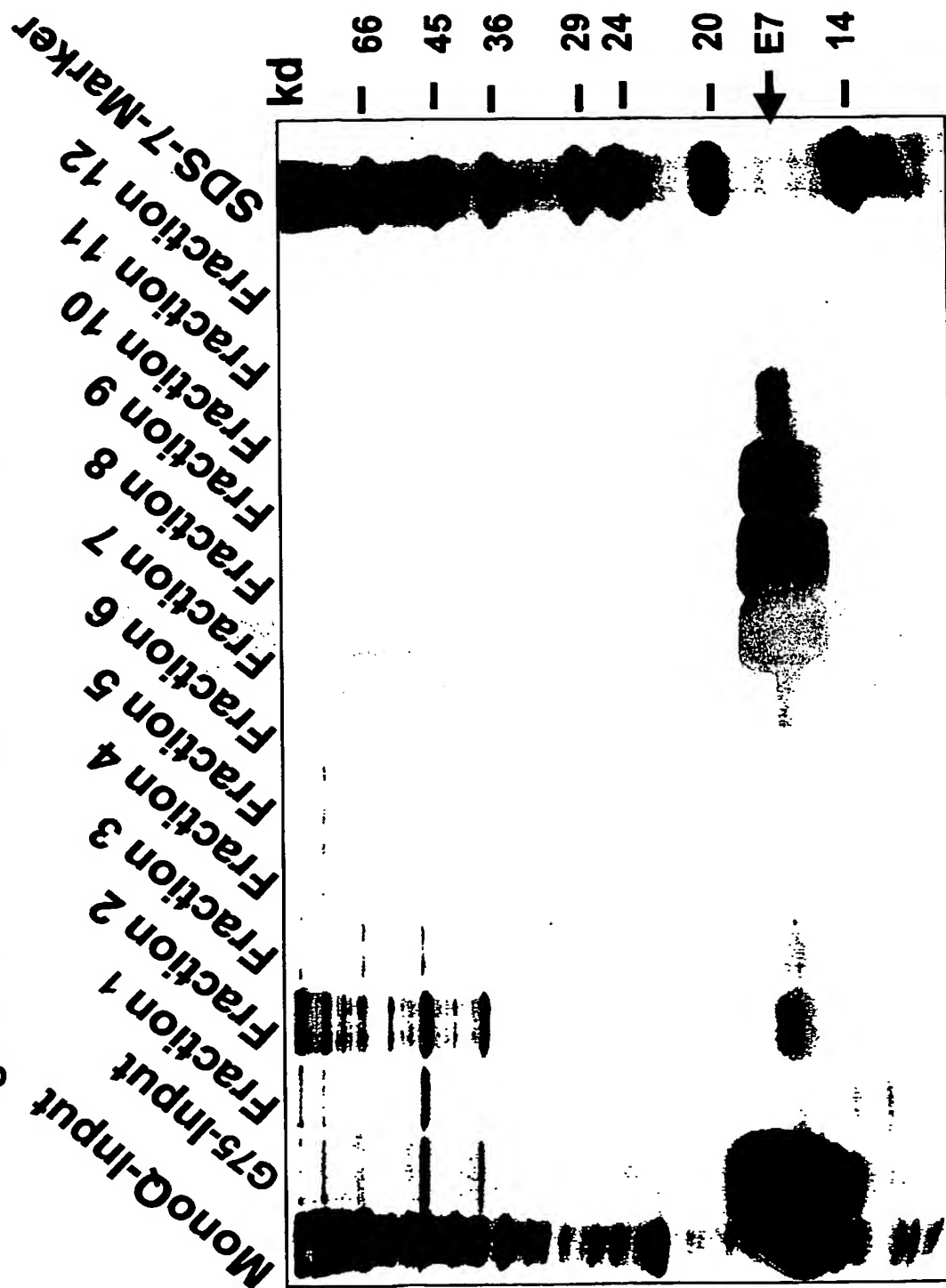
Figure 1A: Purification of bacterially produced E7 via MonoQ-column

15% PAGE

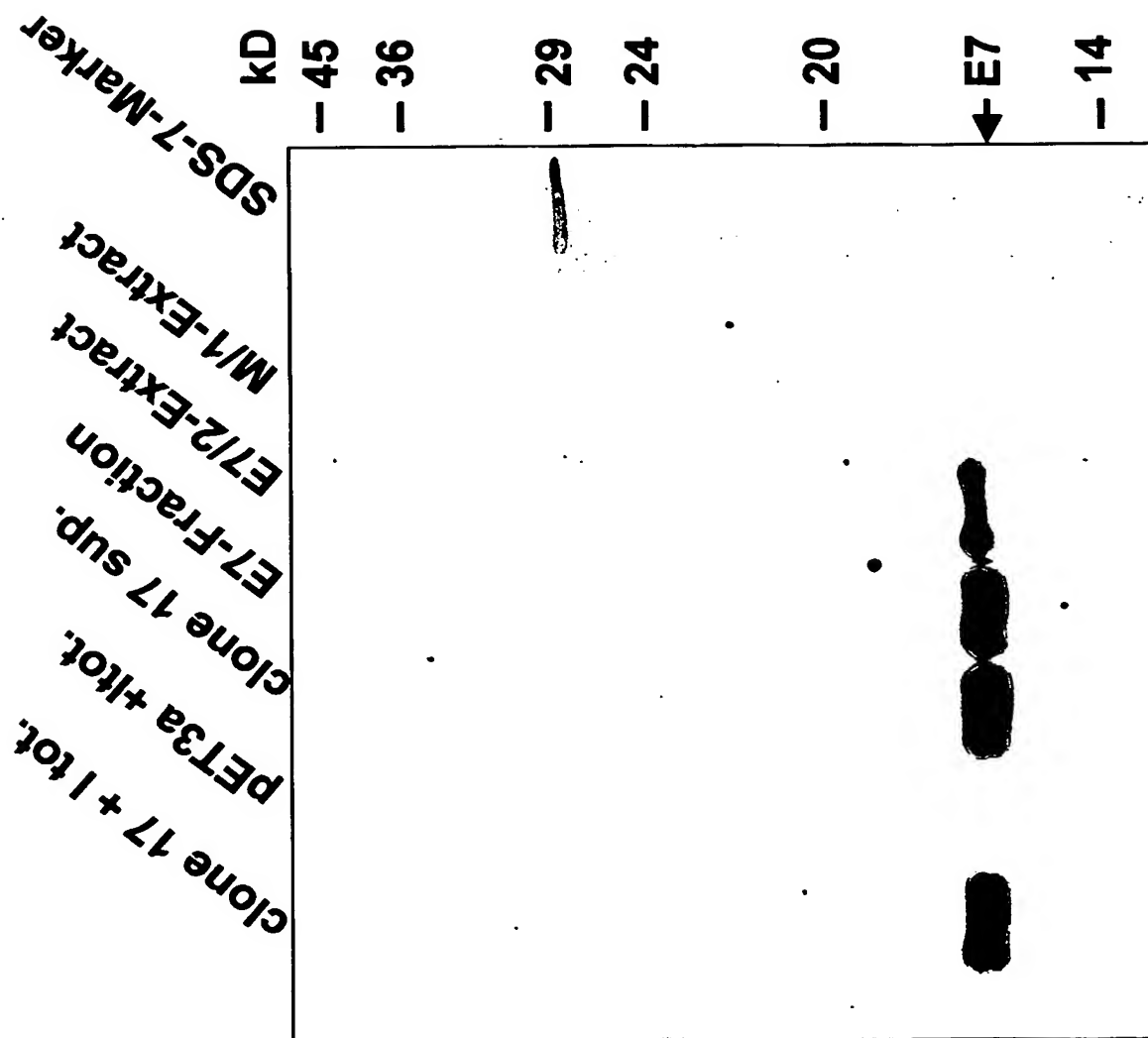


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Figure 1B: G75 – Gelfiltration, 15% PAGE



**Figure 1C:
Western Blot,
Santa Cruz - E7 1:5000**

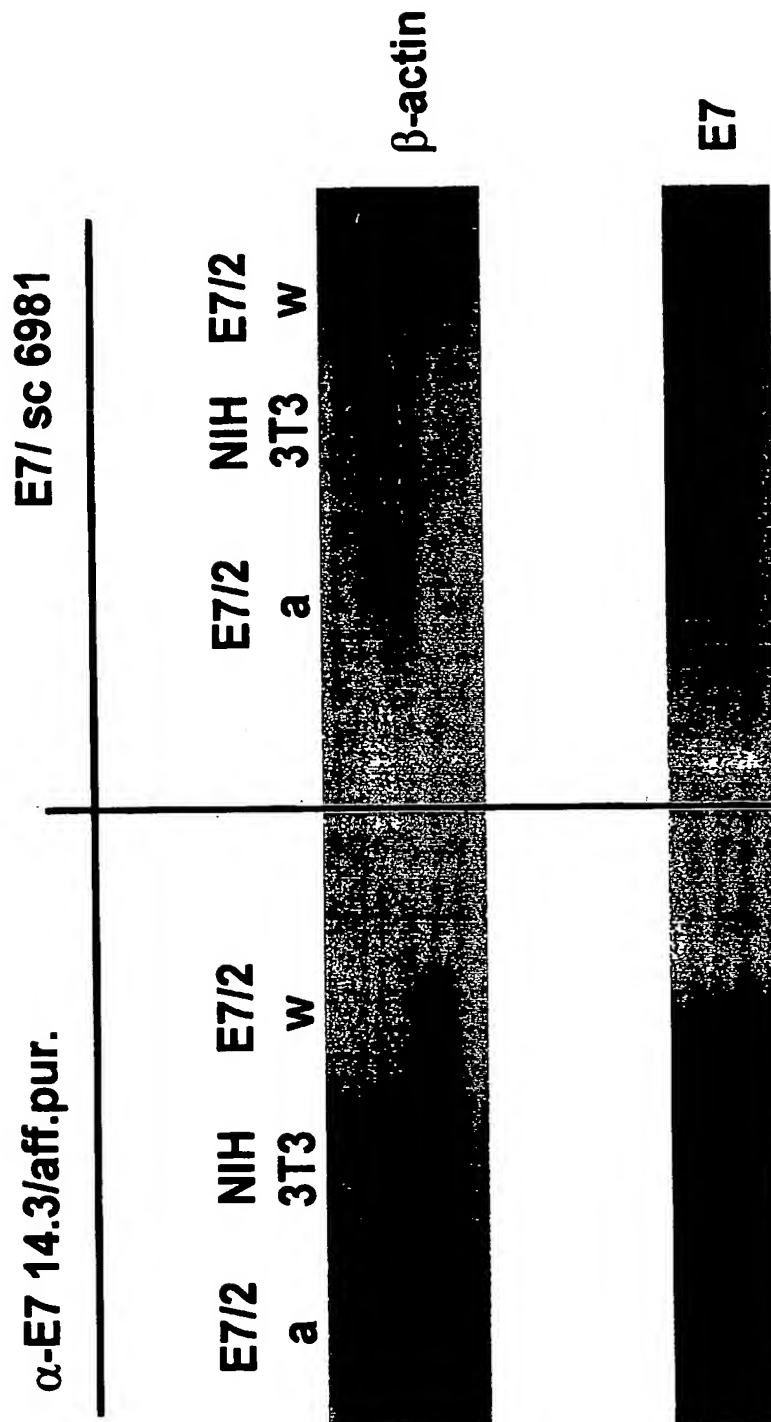


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Figure 2A:
Westernblot a-HPV-16 E7 Antibody (14/3)



Figure 2B: Westernblot α -HPV-16 E7 Antibody



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Figure 3
U-2-OS cells transiently transfected with
pX-HPV-16 E7

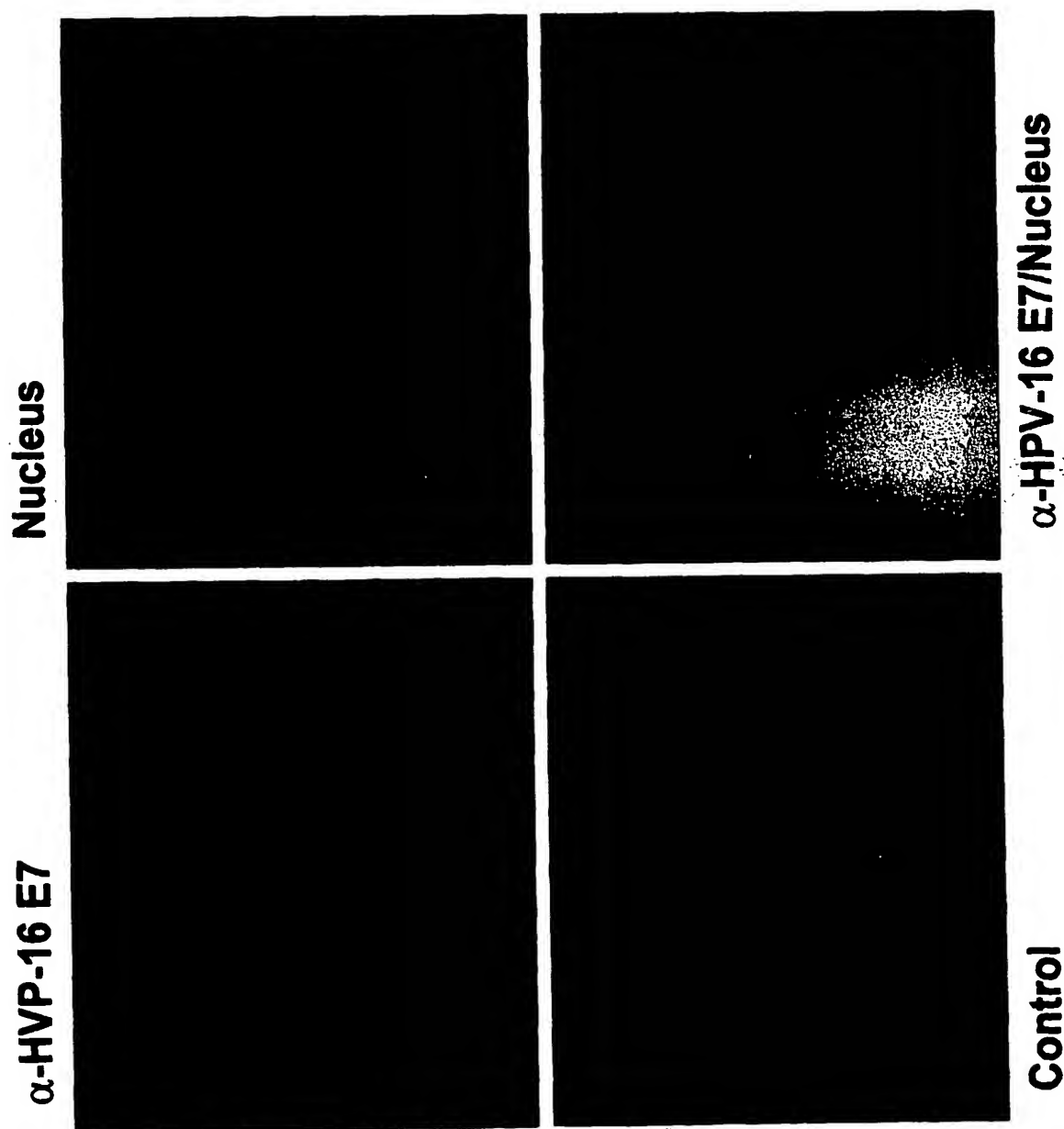


Figure 4A
Paraffin section: HPV-16 DNA positive cervical carcinoma
Control Immunserum



Figure 4B
Paraffin section: HPV-16 DNA positive cervical carcinoma
 α -HPV-16 E7



Figure 4C
Paraffin section: HPV-16 DNA positive cervical carcinoma
stained with α -HPV-16 E7 (14/3)

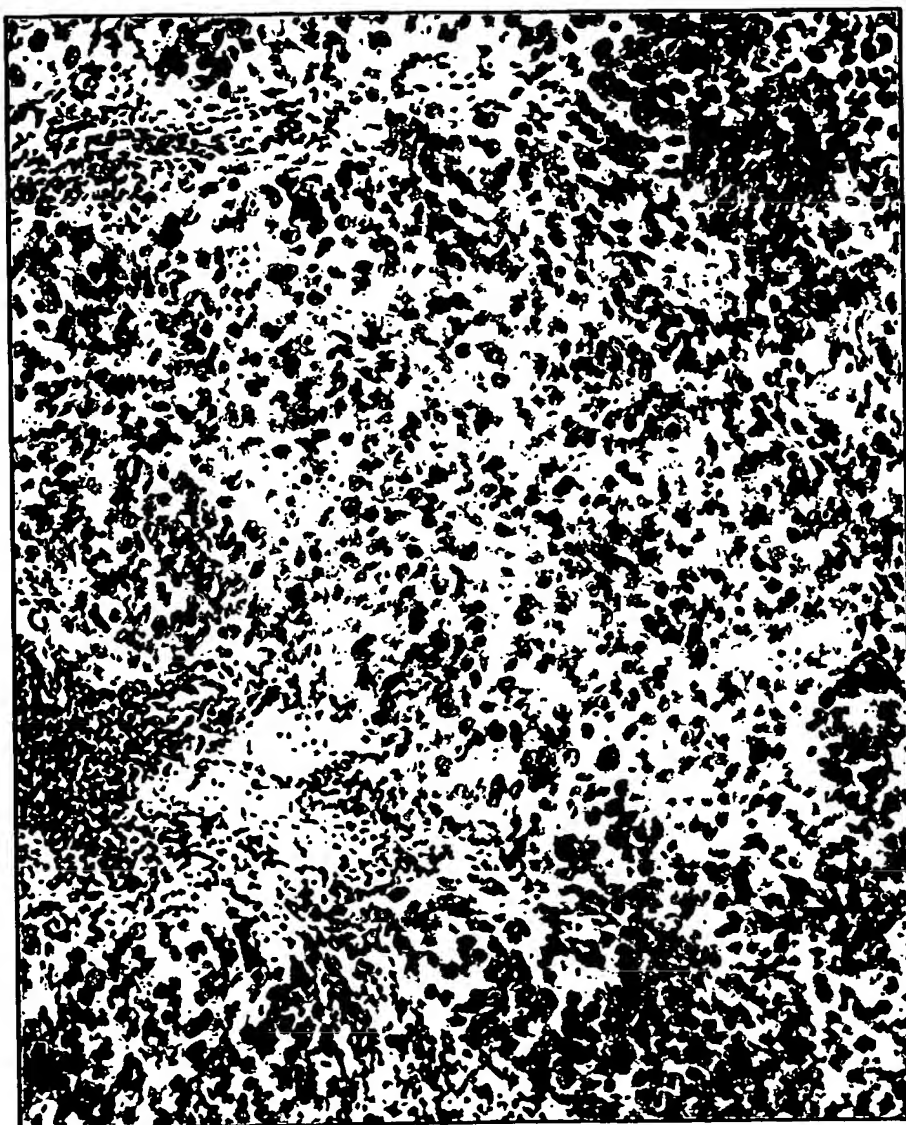
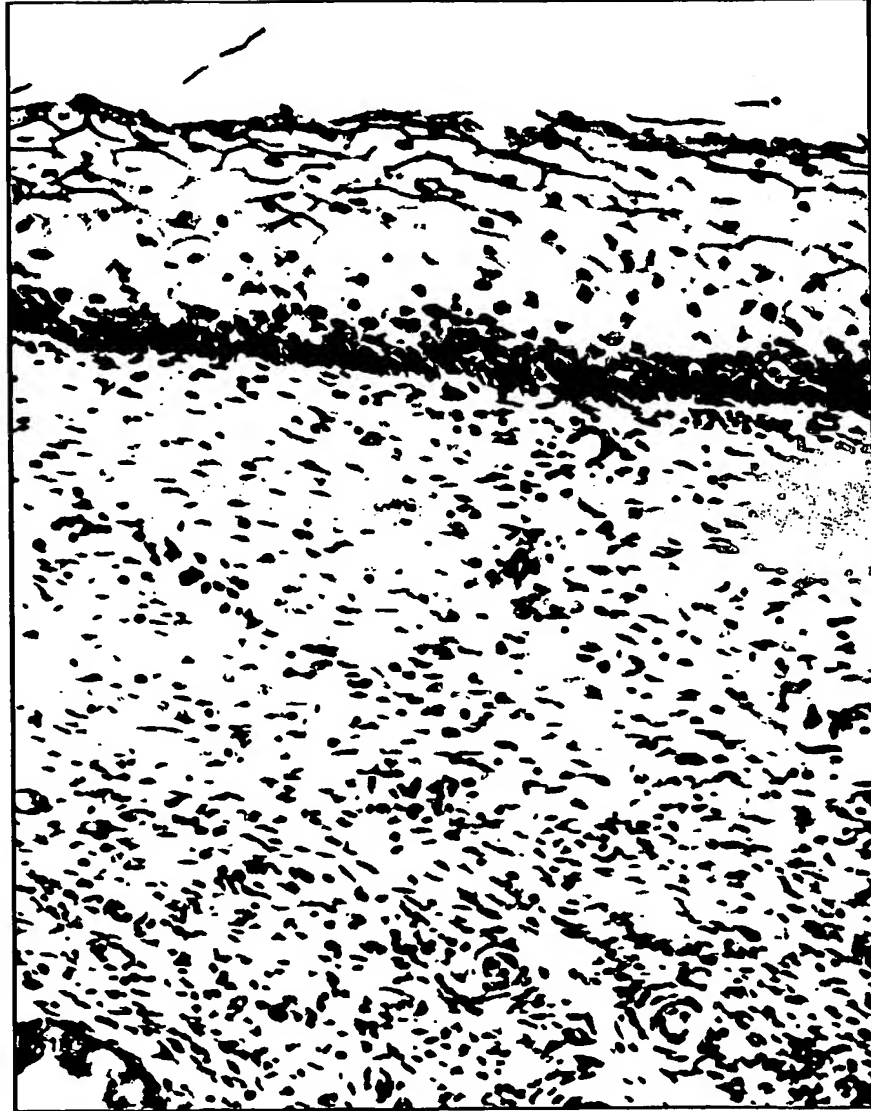
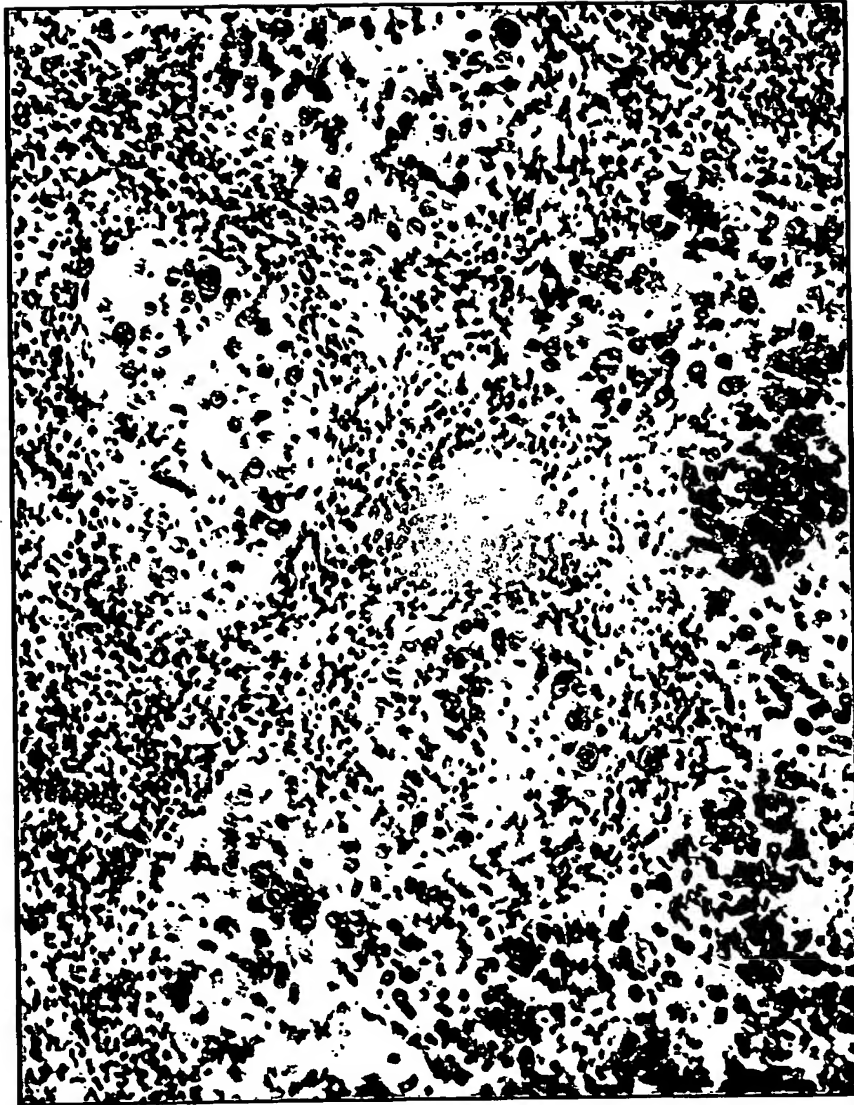


Figure 4D
Paraffin section stained with α -HPV-16 E7 (14/3)
Negative control normal squamous epithelium



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Figure 4E
Paraffin section: HPV-16 DNA positive cervical carcinoma
 α -HPV-16 E7



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Figure 4F
Paraffin section: HPV-16 DNA positive cervical carcinoma
 α -HPV-16 E7/Competition 1 μ g/ μ l 16 E7



Figure 4G
Paraffin section: HPV-16 DNA positive cervical carcinoma
 α -HPV-16 E7

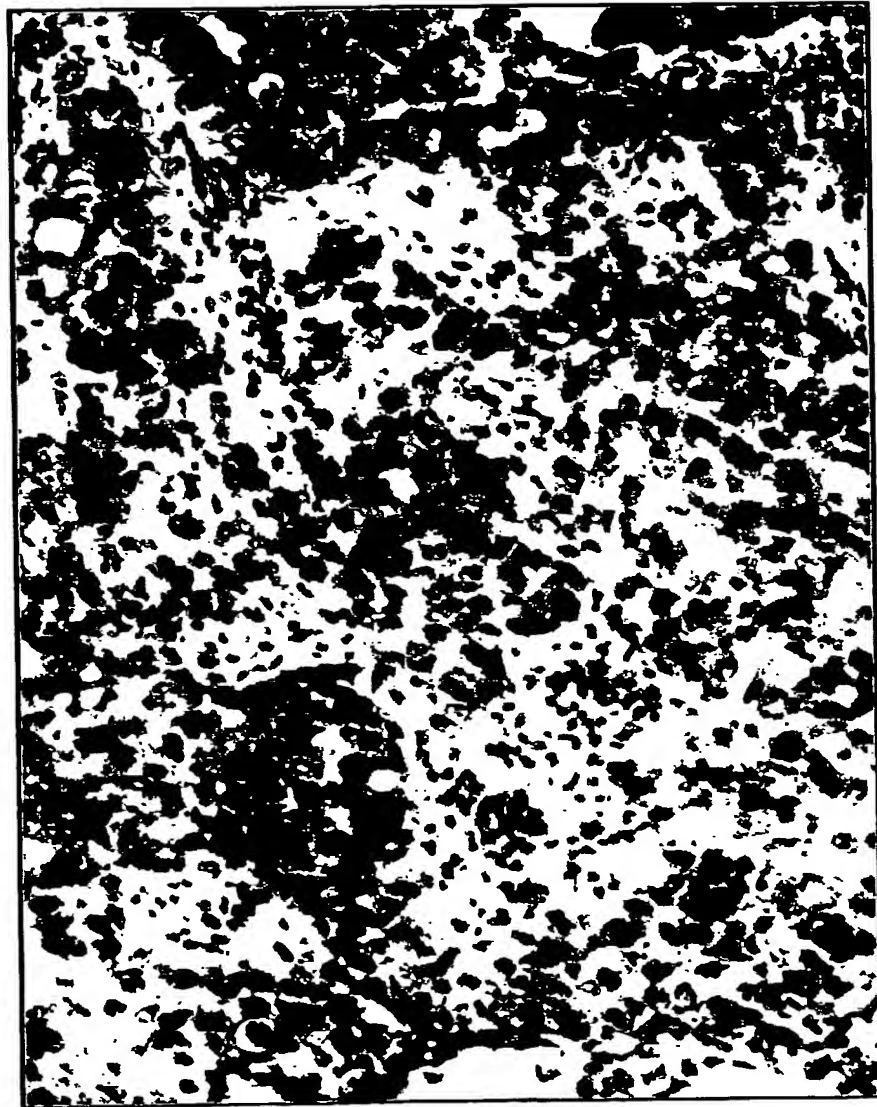


Figure 4H
Paraffin section: HPV-16 DNA positive cervical carcinoma
no first antibody



Figure 5
E7-positive prostata carcinoma



**Figure 5cont.
E7-negative prostate carcinoma**





Figure 6

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Figure 7

Caski

NIH 3T3

NIH 3T3/16E7

1839 – HPV negative

1867 – HPV negative

2413 – HPV16

3358 – HPV negative

3366 – HPV negative

2227 – HPV45

2257 – HPV45

2295 – HPV16

2424 – HPV16

2622 – HPV negative

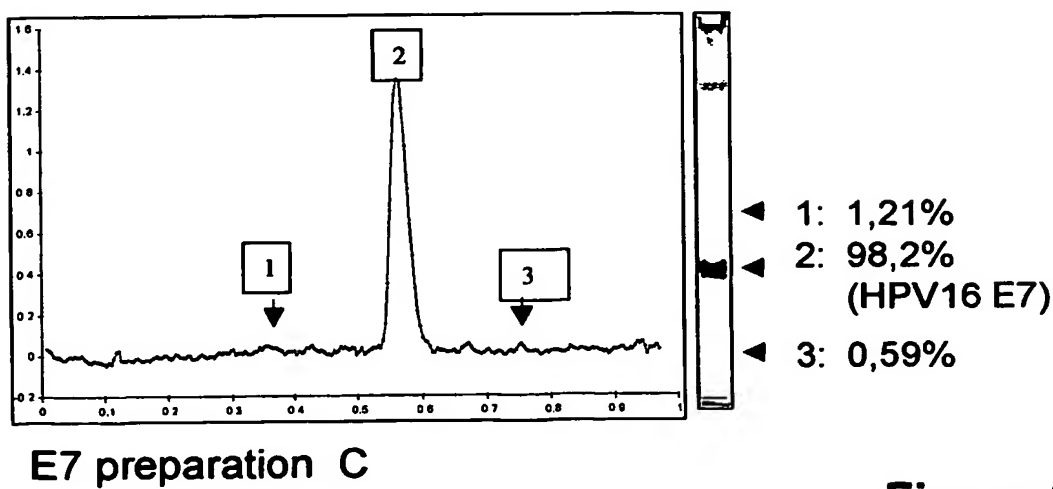
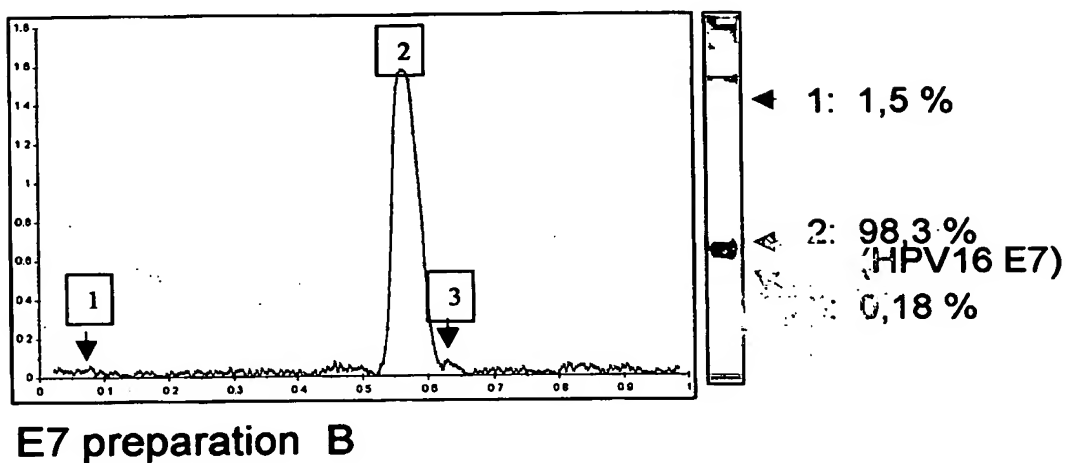
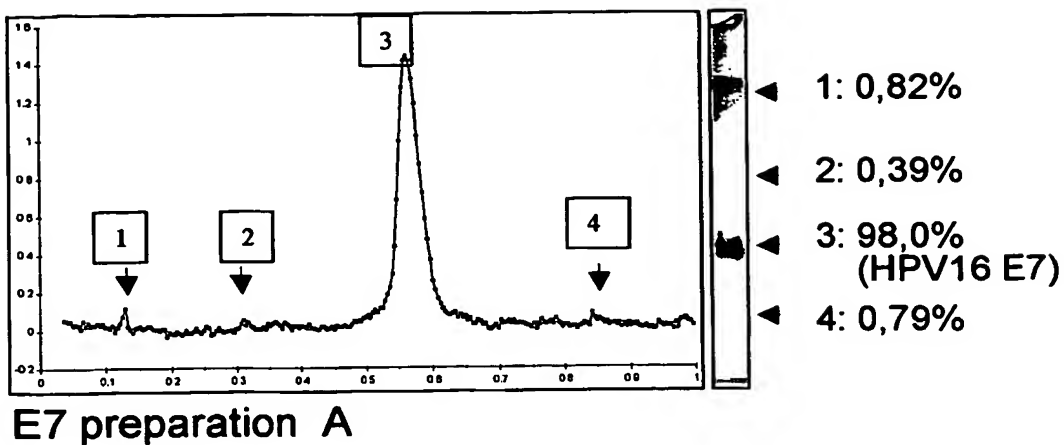
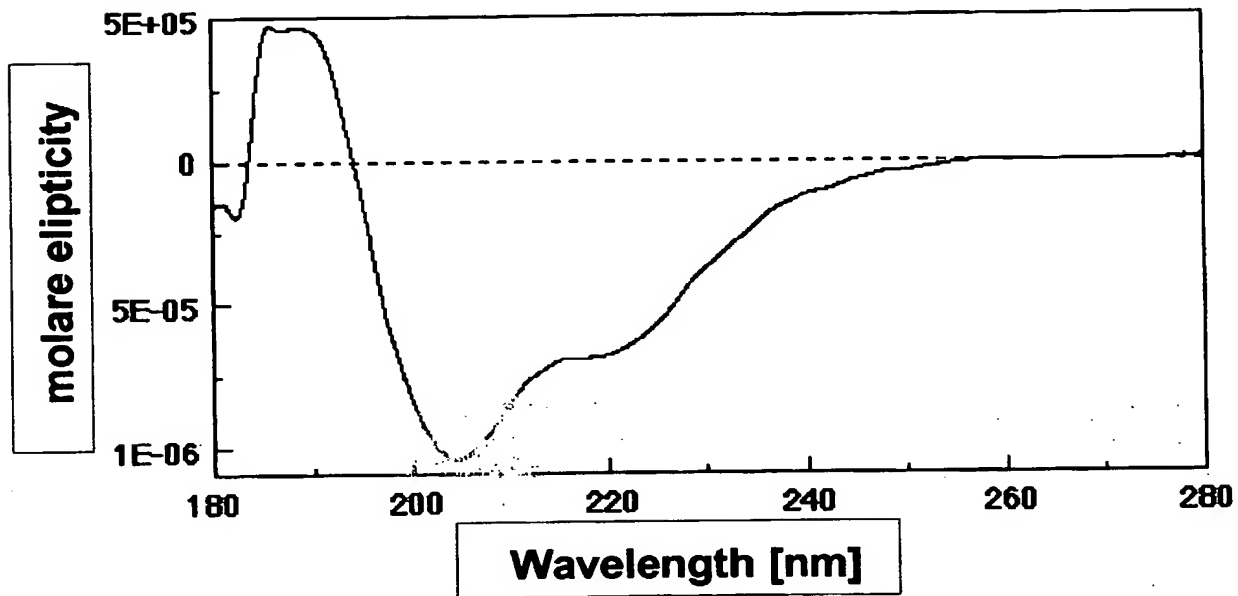


Figure 8

Figure 9
Circular dichroism spectroscopy measurements:
Secondary structures in HPV16 E7 protein



structure	percentage
α -helices	7 - 8 %
β -sheets	45 - 47 %
turn	3 - 5 %
coils	40 - 43 %

Figure 10A
Immunohistochemical staining of HPV-16 E7 protein in paraffin embedded
cervical carcinoma tissue sections ;
anti HPV-16 E7 antibody described herein

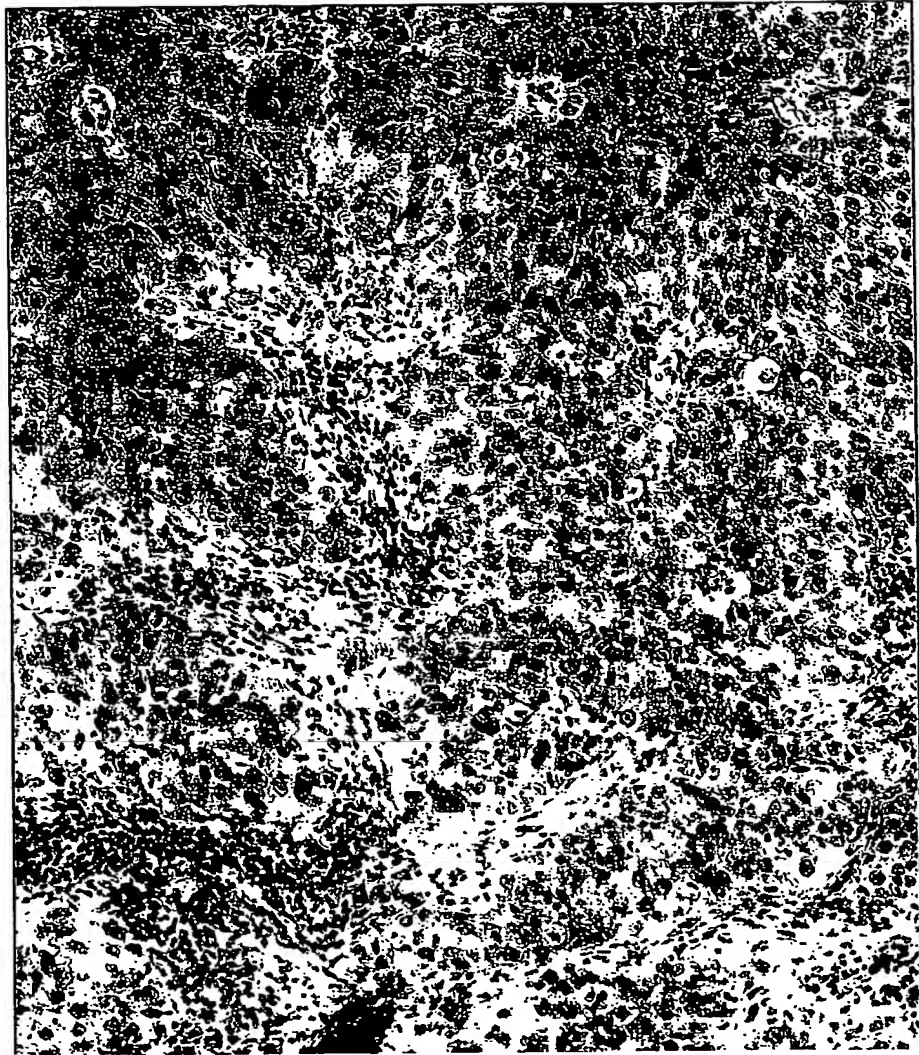


Figure 10B
Immunohistochemical staining of HPV-16 E7 protein in paraffin embedded
cervical carcinoma tissue sections ;
anti HPV-16 E7 antibody Santa Cruz clone ED17

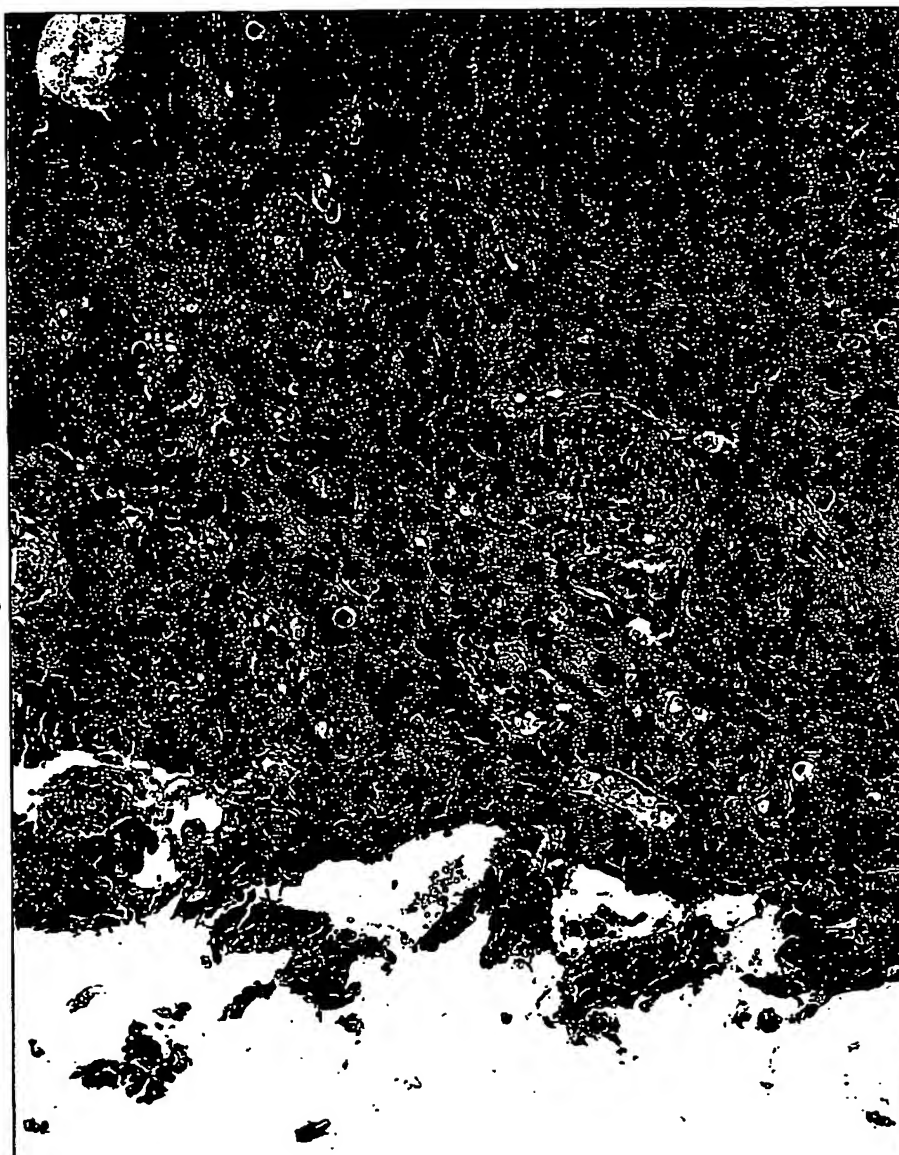


Figure 10C
Immunohistochemical staining of HPV-16 E7 protein in paraffin embedded
cervical carcinoma tissue sections ;
anti HPV-16 E7 antibody Zymed, clone 8C9X

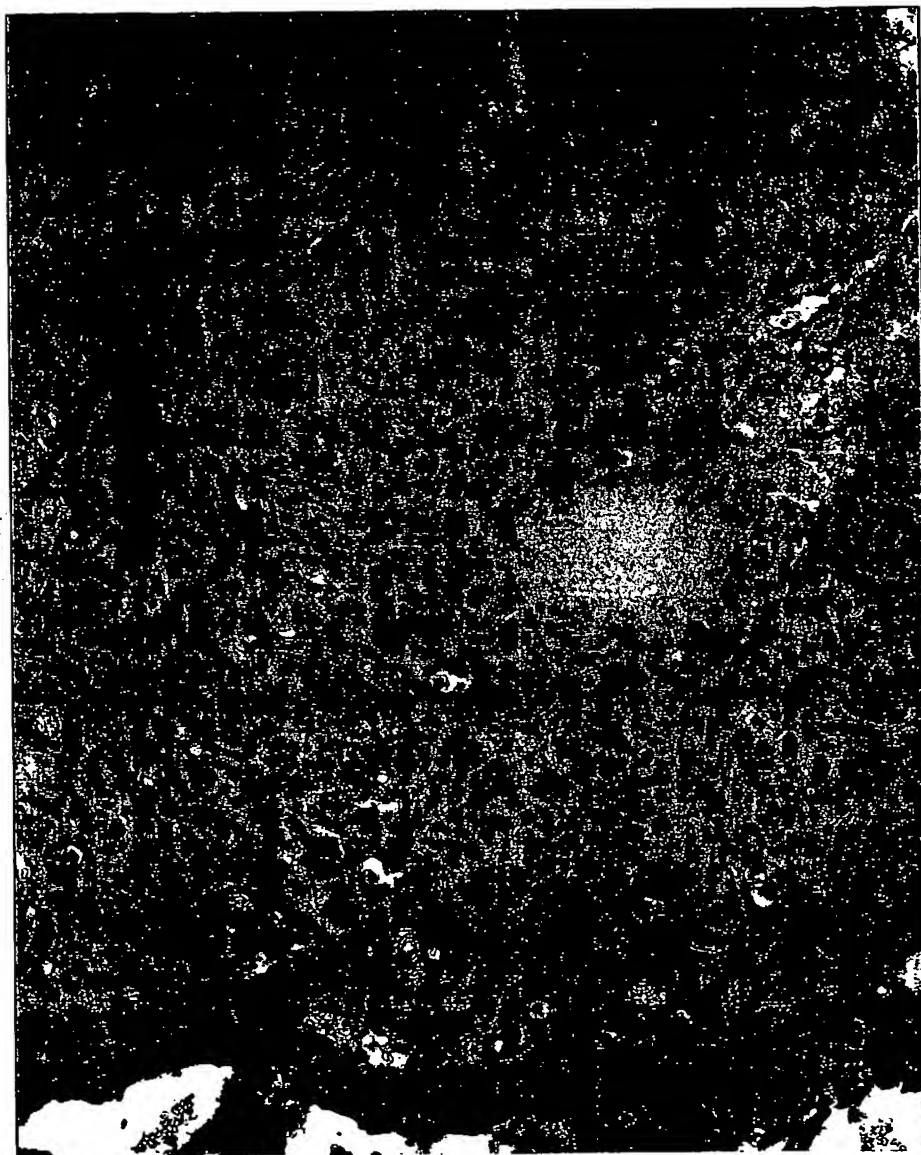
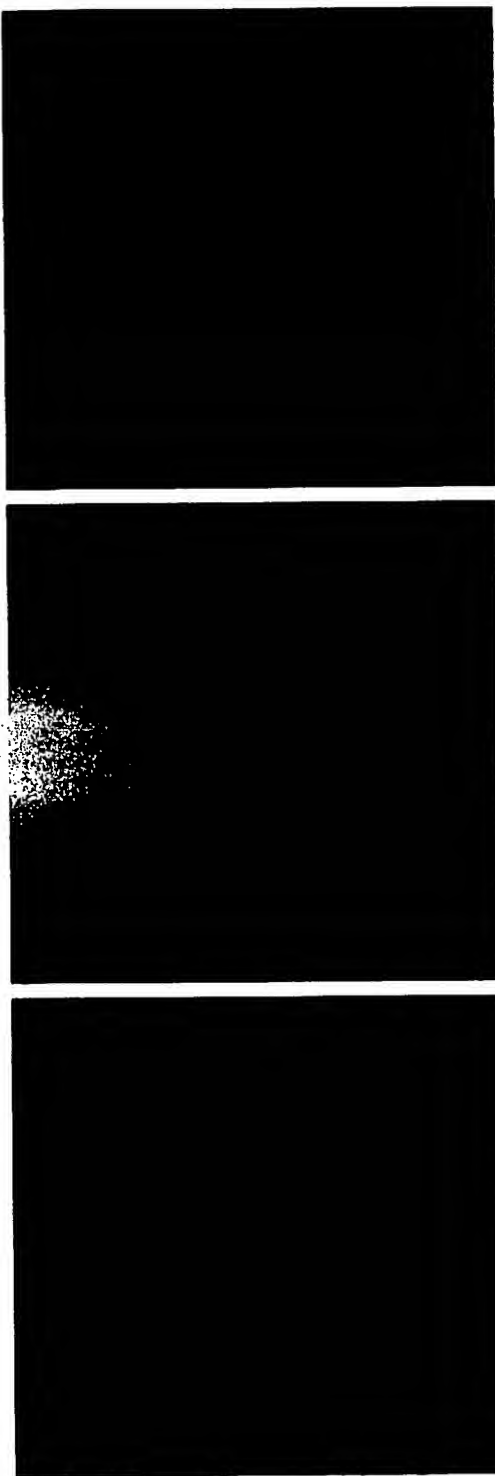


Figure 11
U-2-OS cells transiently transfected with pX-HPV-16 E7

α-HVP-16 E7 ab described herein	α-HVP-16 E7 ab Zymed, clone 8C9X	α-HVP-16 E7 ab Santa Cruz, clone ED17
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